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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: CARR et al. Attorney Docket No.: 2245.001B  
Serial No.: 10/551,499 Examiner: Unknown  
Filed: September 30, 2005 Group Art Unit: 1614  
Title: PHARMACEUTICAL COMPOUNDS

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 21, 2007.

  
Kathy Smith Dias  
Attorney for Applicants  
Reg. No. 41,707

Date of Signature: February 21, 2007

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 C.F.R. §1.56, Applicants bring to the attention of the Examiner the references listed on the enclosed Information Disclosure Citation (PTO Form 1449). Copies of the references are enclosed herewith.

Inasmuch as the present Information Disclosure Statement is being filed before issuance of a first Office Action, it is respectfully submitted that no official surcharge is required.

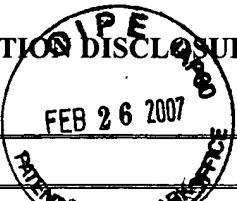
Respectfully submitted,

  
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Dated: February 21, 2007

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## INFORMATION DISCLOSURE CITATION



Docket No: 2245.001B

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Applicant(s): Carr et al.

Filing Date: 9/30/2005

GAU: 1614

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						

## U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial	Ref	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	BA						

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Ref	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	CA	WO 91/13173	05/09/1991	PCT	C12Q	1/68		
	CB	WO 2005/019446	03/03/2005	PCT	C12N	9/16	X	
	CC	WO 03/073987	12/09/2003	PCT	A61K		X	
	CD	WO 03/068984	21/08/2003	PCT	C12Q	1/42	X	

## OTHER DOCUMENTS

(Including Author, title, Date, Pertinent Pages, etc.)

DA	Denu et al., "Specific and Reversible Inactivation of Protein Tyrosine Phosphatases by Hydrogen Peroxide: Evidence for a Sulfenic Acid Intermediate and Implications for Redox Regulation", Biochemistry, 1998, vol. 37, 5633-5642.
DB	Salmeen et al., "Redox Regulation of Protein Tyrosine Phosphatase 1B Involves a Sulphenyl-Amide Intermediate", 2003 Nature, Vol. 423, 769-773.
DC	Van Montfort et al., "Oxidation State of the Active-Site Cysteine in Protein Tyrosine Phosphatase 1B", 2003 Nature, Vol. 423, 773-777.
DD	Taylor et al., "Potent Non-peptidyl Inhibitors of Protein Tyrosine Phosphatase 1B", Bioorganic & Medicinal Chemistry, 1998, Vol. 6, 1457-1468.
DE	Meng et al., "Reversible Oxidation and Inactivation of Protein Tyrosine Phosphatases in Vivo", Molecular Cell, 2002, Vol. 9, 2, 387-399.
DF	Lee et al., "Reversible Inactivation of Protein-tyrosine Phosphatase 1B in A431 Cells Stimulated with Epidermal Growth Factor", The Journal of Biological Chemistry, 1998, Vol. 273, No. 25, 15366-15372.
DG	Meng et al., "Regulation of Insulin Signaling through Reversible Oxidation of the Protein-tyrosine Phosphatases TC45 and PTP1B", The Journal of Biological Chemistry, 2004, Vol. 279, No. 36, 37716-37725.
DH	Liljebris et al., "Oxidation of Protein Tyrosine Phosphatases as a Pharmaceutical Mechanism of Action: A Study Using 4-Hydroxy-3,3-dimethyl-2H-benzo[g]indole-2,5(3H)-dione", The Journal of Pharmacology and Experimental Therapeutics (JPET), 2004, Vol. 309, 711-719.

	DI	Barford et al., "Purification and Crystallization of the Catalytic Domain of Human Protein Tyrosine Phosphatase 1B Expressed in <i>Escherichia coli</i> ", J. Mol. Biol., 1994, Vol. 239, 726-730.
	DJ	Allison et al., "The Formation of a Protein Sulfenamide During the Inactivation of the Acyl Phosphatase Activity of Oxidized Glyceraldehyde-3-Phosphate Dehydrogenase by Benzylamine", Biochemical and Biophysical Research Communications, 1973, 52 (4), 1403-9.
	DK	Reich et al., "Organoselenium Chemistry. Redox Chemistry of Selenocysteine Model Systems", J. Am. Chem. Soc., 1987, Vol. 109, 5549-5551.
	DL	Lindberg et al., "The Mechanism of Action of the Gastric Acid Secretion Inhibitor Omeprazole", Journal of Medicinal Chemistry, 1986, Vol. 29, 1327-1329.
EXAMINER:		Date Considered

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

03-03-06